

IN THE CLAIMS:

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1. (previously amended) An acrylic foam-like adhesive tape comprising:
- (a) a layer of an acrylic foam-like backing comprising
- (i) from about 88% to about 92% of an acrylic polymer comprising:
- from about 35% to about 45% of a first alkyl acrylate monomer having alkyl groups which contain from 4 to 12 carbon atoms,
- from about 30% to about 40% of a second alkyl acrylate monomer having alkyl groups which contain from 4 to 12 carbon atoms,
- from about 6% to about 10% of a first monoethylenically unsaturated polar copolymerizable monomer, and
- from about 1% to about 2% of a second monoethylenically unsaturated polar copolymerizable monomer; and
- (ii) from about 8% to about 12% of hollow glass microspheres dispersed evenly in said polymer; and
- (b) at least one layer of a heat-activated adhesive disposed on at least one side of the backing, said heat-activated adhesive comprising a polyamide, a polyester, a polyolefin, a urethane, a polyurethane, a block copolymer, an elastomer, a block copolymer rubber, or a combination of the foregoing materials.
2. (Original) The acrylic foam-like adhesive tape according to claim 1, wherein the acrylic polymer includes from about 0.3% to about 0.5% of initiator.
3. (Original) The acrylic foam-like adhesive tape according to claim 2, wherein the initiator comprises at least one photoinitiator.
4. (Original) The acrylic foam-like adhesive tape according to claim 1, wherein the acrylic polymer includes from about 0.05% to about 0.07% of a crosslinker/chain extender.
5. (Original) The acrylic foam-like adhesive tape according to claim 4, wherein the crosslinker/chain extender is a multifunctional acrylate.

6. (Original) The acrylic foam-like adhesive tape according to claim 4, wherein the crosslinker/chain extender is a multi-ethylenically unsaturated copolymerizable monomer containing at least two carbon-carbon double bonds.

7. (Original) The acrylic foam-like adhesive tape according to claim 4, wherein: the crosslinker/chain extender is taken from the group consisting of ethylene glycol diacrylate, triethylene glycol diacrylate, 1,4-butanediol diacrylate, 1,6-hexanediol diacrylate, trimethylolpropane triacrylate, pentaerythritol triacrylate, and methacrylates and combinations thereof.

8. (previously amended) The acrylic foam-like adhesive tape according to claim 4, wherein: the crosslinker/chain extender is tetraethylene glycol diacrylate or its dimethacrylate.

9. (Original) The acrylic foam-like adhesive tape according to claim 1, wherein the acrylic polymer includes from about 1% to about 2% of a filler.

B1 10. (Original) The acrylic foam-like adhesive tape according to claim 9, wherein the filler is a fumed silica.

11. (Original) The acrylic foam-like adhesive tape according to claim 9, wherein the filler is a surface modified silica.

12. (Original) The acrylic foam-like adhesive tape according to claim 1, wherein: the first alkyl acrylate monomer is isooctylacrylate, the second alkyl acrylate monomer is 2-ethylhexyl acrylate, the first monoethylenically unsaturated polar copolymerizable monomer is acrylic acid,

the second monoethylenically unsaturated polar copolymerizable monomer is acrylamide, and

the hollow glass microspheres are borosilicate glass.

13. (Original) The acrylic foam-like adhesive tape according to claim 12, wherein the acrylic polymer further comprises:

from about 0.3% to about 0.5% of initiator,
from about 1% to about 2% of a filler, and
from about 0.05% to about 0.07% of a crosslinker/chain extender.

14. (Original) The acrylic foam-like adhesive tape according to claim 13, wherein the initiator comprises at least one photoinitiator.

15. (Original) The acrylic foam-like adhesive tape according to claim 14, wherein the photoinitiator is benzoin ethyl ether.

16. (Original) The acrylic foam-like adhesive tape according to claim 12, wherein the filler is fumed silica.

17. (Original) The acrylic foam-like adhesive tape according to claim 12, wherein the filler is a surfaced modified silica.

18. (Original) The acrylic foam-like adhesive tape according to claim 12, wherein the crosslinker/chain extender is 1,4 butanediol diacrylate.

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19. (Original) The acrylic foam-like adhesive tape according to claim 12, wherein the acrylic foam-like backing comprises:

from about 40% to about 41% isooctylacrylate;
from about 36% to about 37% 2-ethylhexyl acrylate;
from about 8% to about 9% acrylic acid;
from about 1% to about 2% acrylamide; and
from about 10% to about 11% borosilicate glass.

20. (Original) The acrylic foam-like adhesive tape according to claim 19, wherein the acrylic foam-like backing further comprises:

from about 0.35% to about 0.45% benzoin ethyl ether;
from about 1% to about 2% fumed silica; and
from about 0.055% to about 0.065% 1,4 butanediol diacrylate.

21. (Original) The acrylic foam-like tape according to claim 1, wherein the foam-like backing further comprises:

a sufficient amount of colorant to impart color to the adhesive tape.

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22. (Original) The acrylic foam-like tape according to claim 1, wherein one layer of heat-activated adhesive is disposed on one side of the backing, and a layer of pressure sensitive adhesive is disposed on the other side of the backing opposite the layer of heat-activated adhesive.
